REFERENCES

1. John HB, John MB. (2004) Wilson and Gisvold's text book of organic medicinal and pharmaceutical chemistry. 9th edition: Lippincott Williams and Wilkins; 65-66

2. Charles Owens Wilson, Ole Gisvold, John H. Block, John M. Beale. (2004), Wilson and Gisvold's text book of organic medicinal and pharmaceutical chemistry. 11 th edition, 97-101

3. Graham L.Patrick. (2005): An Introduction to Medicinal Chemistry. 3rd edition, Vol.1, New York: Oxford University press; 132-137

4. Lipkowitz. K and Boyd. D. (1991) Reviews in computational Chemistry, 2:165-167

5. Dipak Panigrahy and Leucy Q. Shan. (2003), A review of Therapeutic Potential of Thiazolidinediones as anticancer agent. Indian Journal of Chemistry, 12:1925-1937.

6. A. Garg, P. Chawla, D. Panjwani. (2011) Synthesis of Some Novel Thiazolidinediones as bioactive agents. International Journal Of Pharmaceutical Sciences and Nano technology; 4:254-258.

7. Robert Thornton Morrison Robert. (2012),ext Book of Organic Chemistry;6:23-27

8. Yoshizumi T and Ohta T. (2004) Thiazolidinediones A PPAR-γ ligand, Inhibit Growth and Metastasis. International Journal of Oncology. 25(2):631-639.

9. Panigrahy D and Shen LQ. (2003) Therapeutic Potential of Thiazolidinediones as Anticancer Agents.US National Library of Medicine; 12(2):1925-1937

10. Mohammed Shahnaz and Pattel Kannu Bhai. (2013) Synthesis and Characterisation of 2, 4-Thiazolidinedione Derivatives and Evaluation of Their Antioxidant activity. Journal of Drug Delivery and Therapeutics; 3(6):96-101.

11. Shasikant Pattan, Manisha Kedar and Jayashri. (2012), Synthesis and Evaluation of Some Novel 2, 4-Thiazolidinediones for Antibacterial, Antidiabetic activity. Indian Journal of Chemistry. 1513:1421-1425.

12. Sangeetha S., Huseyin Aktas, Luciano M. Grubissich, Richard M. Mortensen, and Jose´ A. Halperin (2001) Anticancer Effects of Thiazolidinediones Are Independent of Peroxisome Proliferator-activated Receptor g and Mediated by Inhibition of Translation Initiation, American Association for Cancer Research. 61(8), 6213–6218

13. Gurram R. Madhavan, Ranjan Chakrabarti, Reeba K. Vikramadithyan, Rao N. V. S. Mamidi, V. Balraju, B.M. Rajesh, Parimal Misra, Sunil K. B. Kuma (2002) Synthesis and Biological Activity of Novel Pyrimidinone Containing Thiazolidinedione Derivatives, Bioorganic & Medicinal Chemistry, 10(1),2671–2680.

14. Andrea Galli, Tommaso Mello, Elisabetta Ceni, Elisabetta Surrenti and Calogero Surrenti (2006) The potential of antidiabetic thiazolidinediones for anticancer therapy, Expert Opinion on Investigational Drugs, ISSN-1354-3784, 15(9), 1039-1049

15. HyeSung Kim, HyoJin Gim, Mihi Yang, Jae-Ha Ryu, and Raok Jeon (2009) Design, synthesis, and evaluation of tetrahydroquinoline-linked thiazolidinedione derivatives as PPAR gamma selective activators, Heterocycles, ISSN-07-11095, 71(10), 2131-2134

16. Pattan Shashikant R., Kekare Prajact, NS Dighe, SB Bhawar, Nikalje Ana, Pati Ashwini and M.B. Hole (2009) Synthesis and Evaluation of Some New Thiazolidinedione Derivatives for Their Antidiabetic Activities, Asian Journal of Research Chemistery ISSN-0974-4169, 2(2), 123-126

17. Manisha S Kedar, Nachiket S Dighe, Shashikant R Pattan1,Deepak S. Musmade,Vinayak M Gaware,Smita K Parjane and Ravindra B Saudagar (2010) Current pharmacological profile of 2,4 thiazolidinedione, Pharmacologyonline, 1(2), 252-260

18. Kiran F. Shelke, Suryakant B. Sapkal , Gopal K. Kakade , Sandip A. Sadaphal , Bapurao B. Shingate and Murlidhar S. Shingare, (2010). Alum catalysed simple and efficient synthesis of 5- arylidene-2,4-thiazolidinedione in aqueous media, Green Chemistry Letters and Reviews ISSN-1751-8253,1751-7192 (Online),3(1), 17-21

19. Ying Wu, Hsin-Hsiung Tai, Hoon Cho, (2010) Synthesis and SAR of thiazolidinedione derivatives as 15-PGDH inhibitors, Bioorganic & Medicinal Chemistry ISSN-0968-0896/$, 1(2), 1428–1433

20. Werner J. Geldenhuys, Geldenhuys, Max O. Funk, Kendra F. Barnes and Richard T. Carroll (2010) Structure-based design of a thiazolidinedione which targets the mitochondrial protein mitoNEET, Bioorganic & Medicinal Chemistry Letters, ISSN-0960-894X/$, 819–823

21. L.Srikanth, N.Raghunandan, P.Srinivas and G.Amarender Reddy (2010) Synthesis and evaluation of newer quinoline derivatives of thiazolidinediones for their antidiabetic activity, International Journal of Pharma and Bio Sciences, ISSN-0975-6299, 1(4), 120-131

22. Sachin Malik, Prabhat Kumar Upadhyaya and Sandeep Miglani, (2011) Thiazolidinediones: A Plethro of Biological Load, International Journal of Pharm Tech Research, ISSN-0974-4304, 3(1), 62-75.

23. Guillaume Mabilleau, Daniel Chappard and Michel F. Baslé (2011) Cellular and molecular effects of thiazolidinediones on bone cells: a review, ISSN-2152-4114, 2(3), 240-246.

24. Wei Wei and YihongWan (2011) Thiazolidinediones on PPARγ: The Roles in Bone Remodeling , PPAR Research, ISSN-867180, 1(2), 1-9

25. Rekha S. and Shantharam U., (2011) Synthesis and evaluation of novel thiazolidinediones for anti-diabetic activity, International Journal of Pharmacy and Pharmaceutical Sciences ISSN-0975-1491, 3(5), 113-117

26. Satish sahu, D V KohlI and Lopamudra Banerjee (2012) 3D-QSAR studies of some thiazolidinesdiones as peroxisome proliferator activated receptor (PPARγ) agonist, International Journal of Pharmacy and Pharmaceutical Sciences, ISSN- 0975-1491, 4(1), 148-153

27. Swastika Ganguly (2012) Molecular docking studies of novel thiazolidinedione analogs as HIV-1-RT inhibitors, Medicinal chemistry research,1(2), 4-16

28. Isabelle Grillier-Vuissoz, Sabine Mazerbourg, Michel Boisbrun, Sandra Kuntz, Yves Chapleur and Stéphane Flament (2012). PPARγ-independent Activity of Thiazolidinediones: A Promising Mechanism of Action for New Anticancer Drugs? ISSN-2157-2518, 1(1), 3-15

29. Anna Pratima G Nikalje, Dipali Deshpande and Hemant D. Une, (2012). Facile synthesis and in vivo hypoglycemic activity of novel 2,4-Thiazolidinedione derivatives, European Journal of Experimental Biology, ISSN-22489215,2(2),343-353

30. Shital L. Nawale and Avinash S. Dhake, (2012). Synthesis and evaluation of novel thiazolidinedione derivatives for antibacterial activity, Der Pharma Chemica, ISSN-0975-413X, 4(6), 2270-2277

31. Naresh babu chilamakuru, Shankarananth V., Rajasekhar K.K. and Triveni Singirisetty (2013) Synthesis, characterisation and anti-tubercular activity of some new 3,5-disubstituted-2,4-thiazolidinediones, Asian Journal of Pharmaceutical and Clinical Research, ISSN- 974-2441, 6, Page No.29-33

32. Faiyazalam M Shaikh (2013) Synthesis of new thiazolidine-2,4-dione derivatives and their antimicrobial and antitubercular activity, Indian Journal of Research in Pharmacy and Biotechnology, ISSN: 23215674(P) 23203471(Online), 1(4),.496-503

33. Deepthy chandran,Leena. K. Pappachen, Manju Prathap, Jinsha.M.J, Jilsha.G. (2014), Insilico drug design and molecular docking studies of some novel

benzothiazole derivatives as anti-cancer and anti-inflammatory agents, International Journal of Pharmacy and Pharmaceutical Sciences, ISSN- 0975-1491, 6(2), 203-208

34. Santosh L. Gaonkar, Namratha B1, Nitinkumar S. Shetty and Hiroki Shimizu, (2014), Microwave-assisted synthesis and evaluation of N-substituted thiazolidine-2,4-dione derivatives as antimicrobial agents, Interactive Medicinal Chemistry, ISSN-2053-7107, 2(2), 107-112.

35. Gurudeeban Selvaraj, Satyavani Kaliamurthi and Ramanathan Thirugnanasambandam, (2014) Molecular docking studies on potential PPAR-γ agonist from Rhizophora apiculata, Bangladesh Journal of Pharmacology, ISSN-1991-0088, 9, 298-302.

36. Kekare Prajact G., Shastri Rajesh A., Sambrekar Sudhir N., (2014) Microwave Mediated Synthesis, Characterization for their in-vitro antimicrobial and anticancer activity of some thiadiazole derivatives, International Journal of Pharmaceutical Sciences Letters, ISSN-2277-4564, 4(5), 441-444.

37. Metta Madhuri, Cheepurupalli Prasad, Vasudeva Rao Avupati, (2014) In Silico Protein-Ligand Docking Studies on Thiazolidinediones as Potential Anticancer Agents, International Journal of Computer Applications, ISSN-09758887, 9(5), 13-16

38. Aaron Mathew Thomas (2014) Molecular docking based virtual design of substituted 2, 4-thiazolidinediones as HMG COA reductase inhibitor ISSN-2278–4357, 3(6), 1298-1304

39. K. Sudheer kumar, B. Madhava reddy, and v. Harinadha babu, (2014) Synthesis of some novel 2, 4- hiazolidinedione incorporated pyrazole derivatives as anti-cancer agents International journal of pharmacy and pharmaceutical sciences, ISSN-0975-1491, 6(2), 831-834.

40. Harmandeep kaur, Harinder Kaur, Amit Chawla, U.S. Baghel and R.K.Dhawan (2014) a review: synthesis schemes of antimicrobial and anticancer thiazole derivatives, Journal of global trends in pharmaceutical sciences ISSN-2230-7346, 5(5), 1684–1691.

41. Shriram S. Purohit and Veerapur V.P., (2014) Benzisoxazole containing Thiazolidinediones as Peroxisome Proliferator Activated Receptor-γ Agonists: Design, Molecular Docking, Synthesis & antidiabetic studies, Scholars Academic Journal of Pharmacy ISSN-2320-4206 (Online), ISSN 2347-9531 (Print), 3(1), 26-37.

42. Krystoffer Lloyd D. Labra, Brandon Cyril S. Lira, Glenn V. Alea and Glenn Kelly U. Tan, (2014). Synthesis and Characterization of 5-pentadecyl-2.4-thiazolidinedione4-4'-[ethane-1,2-diylbis(oxy)]dibenzonitrile, Research Congress,6-8

43. Santosh L. Gaonkar, Namratha B, Nitinkumar S. Shetty and Hiroki Shimizu (2014) Microwave-assisted synthesis and evaluation of N-substituted thiazolidine-2,4-dione derivatives as antimicrobial agents, Interactive Medicinal Chemistry, ISSN-2053-7107, 2(2), 7-9.

44. Shoko Horita, Motonobu Nakamura, Nobuhiko Satoh, Masashi Suzuki, and George Seki, (2015). Thiazolidinediones and Edema: Recent Advances in the Pathogenesis of Thiazolidinediones-Induced Renal Sodium Retention, PPAR Research, ISSN-646423, 3(6), 1-7

45. Ahmed A. Elhenawy, Abeer A. A. Salama, Mahmoud M. Abdel All, Abdulaziz A. Alomri and H.S.Nassar1, (2015). Synthesis, Characterization and Discovery Novel Anti-diabetic and Anti-hyperlipidemic Thiazolidinedione Derivatives, International Journal of Pharmaceutical Sciences Review and Research, ISSN-0976 – 044X, 2(5), 23-30.

46. D. Alemán-González-Duhart, F. Tamay-Cach, S. Álvarez-Almazán, and J. E. Mendieta-Wejebe, (2016), Current Advances in the Biochemical and Physiological Aspects of the Treatment of Type 2 Diabetes Mellitus with Thiazolidinediones, ISSN-7614270, 2(1), 1-10.

47. T Balasubramanian, M Karthikeyan and Sujith Puthanpurakkal (2016), Controversies of Pioglitazone in the Management of Diabetes Mellitus, Journal of Hospital and Clinical Pharmacy, 2(3), 1-5.

48. Olusola Olalekan Elekofehinti (2016), In silico Studies on Plant Derived Rutin as Potent Agonist of Peroxisome Proliferator-activated Receptor Gamma (PPARγ), British Journal of Medicine & Medical Research, ISSN-2231-0614, 14(6), 1-8.

49. Ayyakannu Arumugam Napoleon (2016), Review on Recent developments and biological activities of 2,4-thiazolidinediones, International Journal of Pharm Tech Research, ISSN-0974-4304, 9(9), 429-443.

50. Fajeelath Fathima, Abitha Haridas and Baskar Lakshmanan, (2016), Docking studies Of 3,5-disubstituted thiazolidinedione chalcones as PPAR-γ agonist, Journal of Pharmaceutical Chemistry, 3(3), 1-3.